

EXAMINATIONS].

VI.—SURVEY OFFICERS.

1. The following rules have been passed by the Governor General in Council, and are published for general information :—

I.—The period of probation will be one year. If in any case strong special reasons render an extension of this term expedient, application should be made through the Surveyor General, or the Head of the Department in which the probationer is serving, in full time to permit of orders being passed before the period of probation expires.

II.—Every candidate will be required to furnish the certificates of which forms are given below, signed by his Commanding Officer and the Surgeon of his Regiment or Corps, respectively.

III.—There will be distinct examinations, both preliminary and final, for the Topographical and Revenue Surveys (including the topographical branch of the Trigonometrical Survey), and for the Great Trigonometrical Survey.

IV.—For the Topographical and Revenue Surveys, the preliminary examination will embrace the following subjects :—

1. Arithmetic, including involution and evolution, arithmetical and geometrical progression, proportion or rule-of-three, vulgar and decimal fractions, logarithmic calculations, and mensuration of surfaces.
2. Elementary geometry, first four books of Euclid.
3. Algebra, as far as quadratic equations, inclusive.
4. Elements of plane trigonometry.
5. Topographical, mechanical, or civil drawing, to be executed in the presence of Examiners.

V.—Artillery Officers, and officers holding certificates of qualification granted at the Institutions of Addiscombe and Woolwich, or the Staff College, or Civil Engineering Colleges, or who may have passed an examination in surveying according to the army standard, will be exempted from undergoing any preliminary examination, and will, on being nominated, at once enter as probationers, and be attached to Survey Parties, to learn their practical duties in the field and during the recess.

VI.—The final examination for the Topographical and Revenue Surveys, to be held at the close of the period of probation, will comprise—

1. The satisfactory execution, unassisted, of a small area of country including the computation and entire mapping involved in the same.
2. Perfect use and knowledge of all the instruments employed in the Department, and adjustment of the same.

[EXAMINATIONS.]

3. The elements of natural astronomy, sufficient for ascertaining time, azimuth, and latitude.
4. A fair knowledge of all rules in force, for the general conduct of the Survey Establishments, in the Department to which the probationer is attached.

Each candidate will also be required to produce a certificate of having passed an examination by the higher standard in any vernacular languages prescribed by the Government under which the probationer is employed.

VII.—The examinations for the Topographical and Revenue Surveys will be conducted by the Head of the Department in which the probationer is serving, aided by such professional officers, to the number of two, as may be available. Whenever desirable, sealed examination questions may be transmitted, in view to their being answered by the probationer in the presence of the officer in charge of the Survey Party to which he is attached, in lieu of obliging him to appear at departmental head-quarters for the purpose of examination.

VIII.—For the geodesical branch of the Trigonometrical Survey, the preliminary examination will be theoretical only, comprising mathematics up to conic sections, and the principles of construction of instruments in common use. The final examination will be theoretical and practical, embracing analytical geometry of three dimensions, statics, dynamics, astronomy, the construction of the instruments of the Great Trigonometrical Survey and a practical familiarity with their management. Candidates for the Staff Corps will also be required to produce a certificate of having passed an examination by the higher standard in any vernacular language prescribed by the Government under which the probationer is employed.

IX.—The Examiners will be the Superintendent of the Great Trigonometrical Survey, with any two available officers of the Department at his head-quarters.

X.—The degree of proficiency attained by candidates will be ascertained in both branches of the Survey Department by written questions, the examination papers being framed at departmental head-quarters.

FORM OF CERTIFICATE REFERRED TO IN RULE II.

Certificate of Commanding Officer.

Certified that Lieutenant _____ of the
Regiment, _____ a candidate for the
Staff Corps, completed three years' duty with a
Regiment on the _____ two years of
which (or the whole period of which as the case
may be) were spent in India.